Real Bosch! Professional

blue measuring tools

Full range catalogue for 2012/2013
Professional blue measuring tools
for trade and industry

BOSCH
Invented for life

www.bosch-professional.com
www.wallscanner.com

Our contribution to your success

The requirements that the building trade has to meet are constantly increasing. Construction projects are becoming more complex, while new technologies and materials are being used that have to be installed on schedule and in top quality. Faced with these new challenges, your expectations of your measuring tools are also going to increase.

Bosch Measuring Technology is rising to this challenge and offers you an extended range of measuring tools that meet the highest requirements. It opens up new application ranges, makes work processes easier for professionals and therefore improves their productivity.

New products for new application ranges
Working closely with professionals from the building trade is one of Bosch's recipes for success. An impressive example of this collaboration is the GSL 2 Professional floor surface laser. It is the world's first and only measuring tool to enable you to visualise and accurately measure surface irregularities on large floor surfaces. Ideal for site managers and all flooring trades.

To ensure that you can rely on obtaining precise measuring results at all times, even in the most adverse weather conditions, all measuring tools from Bosch are tested for suitability in the toughest conditions.

Real Bosch: the highest precision and the easiest handling
This is the formula for success of all Bosch measuring tools. We want to contribute to your success with our new comprehensive product range. Measuring technology from Bosch means convincing solutions for trade and industry.

Yours sincerely,

Martin Merchant
Director of Measuring Technology business unit

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The new products from Bosch
Unique solutions for trade and industry

New products from Bosch Measuring Technology are always also innovations that open up a completely new range of applications for the building trade. The new GSL 2 Professional floor surface laser is the only product to enable large-scale visualisation of surface irregularities on floors. Bosch also offers unique options in detection technology. The new D-tect 150 SV Professional wallscanner enables you to perform measurements even in damp concrete.

NEW!
Floor surface laser

GSL 2 Professional
The first solution specifically for checking floor flatness – quickly and reliably
▶ P. 26

RC 2 Professional
remote control
Range of up to 20 m
▶ P. 33

NEW!
Detectors

D-tect 150 SV Professional
Detects materials in any building material, even in damp concrete
▶ P. 15

GMS 100 M Professional
Detects metal objects: easily, precisely and reliably
▶ P. 12

NEW!
Combi laser

GCL 25 Professional
Point and line laser in one – for versatile indoor applications
▶ P. 20

NEW!
Laser rangefinder

GLM 50 Professional
The easy solution for precise rangefinding
▶ P. 39

Bosch product overview

The most common trades and applications for detectors and point, line and rotation lasers are listed in this overview.

		TRADES	Road construction	Underground engineering	Structural engineering	Prefabricated house-building	Wood construction/Carpenter	Facade construction	Roofer	Hall construction (factory, warehouse)	Landscaping	Surveyor	Windows/Doors	Staircase construction	Drywall	Interior decoration	Kitchen/Shop fitting	Locksmith/Metal co	Joiner	Ex
			CIVIL ENGINEERING										INTERIOR FITTING							
Detectors		**NEW!** GMS 100 M Professional											○	○	●	○	●	●	●	
		GMS 120 Professional											○	○	●	○	●	●	●	
		D-tect 150 Professional wallscanner			○				○		●		○	○	●	○	●	●	●	
		NEW! D-tect 150 SV Professional wallscanner		●	●				○		●		○	○	●	○	●	●	●	
Point, line and rotation lasers		GPL 3 Professional			○	○	○		○				●	●	●	○	●	●	●	●
		GPL 5 Professional			○	○	○		○				●	●	●	●	●	●	●	●
		NEW! GCL 25 Professional			○	○	○		○				●	●	●	●	●	●	●	●
		GLL 2 Professional											●	○	●	○	●	○	●	○
		GLL 2-50 Professional											●	○	●	○	●	●	●	○
		GTL 3 Professional																		
		GLL 2-80 P Professional											●	○	●	○	●	●	●	○
		GLL 3-80 P Professional											●	○	●	●	●	●	●	●
		NEW! GSL 2 Professional				○			○		●			○	○					
		GRL 300 HVG Professional	○	○	●	●	●	○		○	○		●	●	●	●	●	●	●	●
		GRL 300 HV Professional	○	○	●	●	●	○		○	○		●	●	●	●	●	●	●	●
		GRL 400 H Professional	●	●	●	●	●			●	●		○	○	○	○	○	○	○	
		BL 200 GC Professional	●	●	●	●	●	●		●	●		○	○	○	○	○	○	○	○

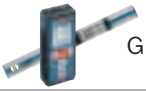
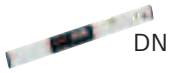
● Ideal ○ Possible ●* With adapter

INSTAL-LATION		FINISHING				OTHER		PART NUMBER	ACCESSORIES	LR 1 laser receiver	LR 1G laser receiver	LR 2 laser receiver	BLE 200 high-performance receiver	RC 1 remote control	RC 2 remote control	BLR 10 remote control	BS 150 building tripod	BT 160 building tripod	BT 170 HD building tripod	BT 300 HD building tripod	BT 350 telescopic pole	GR 240 cut & fill rod	GR 500 levelling staff	WM 4 wall mount	Wall mount	BM 1 universal mount	Page
●	●					●	●	**0 601 081 100**																			12
●	●					●	●	**0 601 081 000**																			13
●	●					●	●	**0 601 010 005**																			14
●	●					●	●	**0 601 010 008**																			15
●	●					●	○	**0 601 066 100**								●	●	●	●	○					○		18
●	●					●	○	**0 601 066 200**								●	●	●	●	○					○		19
●	●					●	○	**0 601 066 B02****								●	●	●	●	●					○		20
●	●	○	●	○	○	●	○	**0 601 063 700**								●	●	●	●	○	○						21
●	●	○	●	○	○	●	○	**0 601 063 103****			●					●	●*	●*	●*	●	○						22
			●					**0 601 015 200**																			23
●	●	○	●	○	○	●	○	**0 601 063 203****			●					●	●	●	●	●	○				●		24
●	●	○	●	○	○	●	○	**0 601 063 303****			●					●	●	●	●	●	○				●		25
		●	●					**0 601 064 001****						●													26 – 27
●	●	●	○	○	○	●		**0 601 061 700****		●			●				○	●	●		●	○	●				28
●	●	●	○	○	○	●		**0 601 061 501****		●		○	●				○	●	●		●	○	●				29
								0 601 061 800**		●		○					○	●	●		●	○	○				30
○	○	○				●		**0 601 015 000**		○		●			●		○	●	●		●	○		●			31

** Other versions available. See product page.

Bosch product overview

The most common trades and applications for optical levels, laser rangefinders, angle measurers and inclinometers are listed in this overview.

		TRADES	Road construction	Underground engineering	Structural engineering	Prefabricated house-building	Wood construction/Carpenter	Facade construction	Roofer	Hall construction (factory, warehouse)	Landscaping	Surveyor	Windows/Doors	Staircase construction	Drywall	Interior decoration	Kitchen/Shop fitting	Locksmith/Metal co	Joiner	Ex
			CIVIL ENGINEERING										INTERIOR FITTING							
Optical levels		GOL 20 G Professional	●	●	○	○	○			○	●									
		GOL 20 D Professional	●	●	○	○	○			○	●									
		GOL 26 G Professional	●	●	○	○	○			○	●									
		GOL 26 D Professional	●	●	○	○	○			○	●									
Laser rangefinders		**NEW!** GLM 50 Professional			○	○	○	○	○	○	○	○	●	○	●	●	●	●	●	○
		GLM 80 Professional			○	○	○	○	○	○	○	●	●	○	●	●	●	●	●	○
		GLM 80 + R 60 Professional			○	○	●	○	○	○	○	●	●	●	●	●	●	●	●	○
		GLM 150 Professional			○	○	●	○	○	●	○	●	●	●	●	●	●	●	●	●
		GLM 250 VF Professional	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Angle measurers and inclinometers		GAM 220 MF Professional			○	○	●	○	●	○		○	●	●	●	●	●	●	●	●
		DWM 40 L Professional			○	○	○	○	○	○		●	●	●	●	●	○	○	○	●
		DNM 60 L Professional			○	○	●	○	●	○		●	●	●	●	●	●	●	●	●
		DNM 120 L Professional			○	○	●	○	●	○	○	●	●	●	●	●	●	●	●	●

● Ideal ○ Possible ●* With adapter

INSTAL-LATION		FINISHING				OTHER			PART NUMBER	ACCESSORIES	LR 1 laser receiver	LR 1G laser receiver	LR 2 laser receiver	BLE 200 high-performance receiver	RC 1 remote control	RC 2 remote control	BLR 10 remote control	BS 150 building tripod	BT 160 building tripod	BT 170 HD building tripod	BT 300 HD building tripod	BT 350 telescopic pole	GR 240 cut & fill rod	GR 500 levelling staff	WM 4 wall mount	Wall mount	BM 1 universal mount	Page
									0 601 068 401									●	○	○		○	●				35
									0 601 068 400									●	○	○		○	●				35
									0 601 068 001									●	○	○		○	●				35
									0 601 068 000									●	○	○		○	●				35
○	○	●	●	●	●	○	●	○	0 601 072 200								●	●*	●*	●*							39
●	●	●	●	●	●	●	●	●	0 601 072 300								●	●*	●*	●*							40
●	●	●	●	●	●	●	●	●	0 601 072 301																		41
●	●	●	●	●	●	●	●	●	0 601 072 000								●	●*	●*	●*							42
●	●	●	●	●	●	●	●	●	0 601 072 100								●	●*	●*	●*							43
○	○		○	●		●	○	○	0 601 076 200																		45
●	●		●	○		●	●	●	0 601 096 663**																		46
●	●	●	●	●		●	●	●	0 601 014 000																		47
●	●	●	●	●		●	●	●	0 601 014 100																		47

** Other versions available. See product page.

1 Detectors from Bosch: convincing solutions for every application

Detectors have a wide range of applications. Various materials have to be reliably detected in different building materials. Bosch therefore offers suitable products for every imaginable application. The range consists of multi-detectors and special detectors that can also be used to reliably detect plastic pipes. Even the depth of the objects is displayed. All detectors from Bosch are calibration-free. Your advantage: the instruments are immediately ready for use, objects are reliably detected and application errors are prevented.

Unique radar sensor technology – enabling completely new applications

The 4-channel radar sensor is truly unique. It contains 16 Bosch patents or patents pending and provides measuring results of unprecedented precision. Plastic pipes in wall and floor heating systems can now be reliably detected using the D-tect 150 and D-tect 150 SV Professional wallscanners.

Various sensors
for reliable detection of metal, wood, plastic, and live cables

Immediately ready for use
because it is calibration-free

Ergonomic design
with handle

Maximum detection depth
150 mm

Intuitive user interface
in twelve languages with self-explanatory detection modes. The large, illuminated display gives a clear indication of the object depth and the distance between objects

Robust
Dust and splash protection (IP54)

	NEW! GMS 100 M Professional	**GMS 120** Professional	**D-tect 150** Professional **wallscanner**	**NEW! D-tect 150 SV** Professional **wallscanner**
Ferrous metals	●	●	●	●
Non-ferrous metals	●	●	●	●
Live cables	●	●	●	●
Wooden substructures	–	●	●	●
Plastic pipes	–	–	●	●
Display of drilling depth	–	–	●	–
Display of object's depth	–	–	–	●
Maximum detection depth	**100 mm**	**120 mm**	**150 mm**	**150 mm**
Signal View	–	–	–	●
Applications	**Interior fitting, installation, renovation, decoration**	**Interior fitting, installation, renovation, decoration**	**Interior fitting, installation, renovation**	**Civil engineering, claims settlements, industry**

NEW! GMS 100 M Professional metal detector

Metal detection: easy, precise and reliable

- Application errors are avoided due to automatic calibration
- The automatic zoom scale enables pinpoint detection of objects
- Detectable materials: ferrous metals, non-ferrous metals, live cables
- Easy one button operation
- Even more reliable indication of objects due to the three-colour LED luminous ring with marking hole

LED luminous ring with marking hole

The three-colour LED luminous ring indicates the detection result quickly and clearly. Detection results can be marked quickly and conveniently thanks to the marking hole. The sensors are positioned centrally around the marking hole to ensure the greatest possible safety. This prevents drilling mistakes.

Red signal:
Object found

Yellow signal:
Caution – object found nearby or deep-lying object found

Green signal:
No object found

NEW! GMS 100 M Professional	
Part number	**0 601 081 100**
Detectable materials	Ferrous metals, non-ferrous metals, live cables
Max. detection depth	Ferrous metals 100 mm, non-ferrous metals 80 mm, live cables 50 mm
Automatic shutdown, approx.	5 mins
Power supply	1 x 9 V 6LR61 block
Weight, approx.	260 g
Dimensions (L/W/H)	200 x 85 x 32 mm
Dust and splash protection	IP54
Comes complete with	Hand strap, 1 x 9 V 6LR61 battery

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GMS 120 Professional multi-detector

The most reliable multi-detector in its class

- Application errors are avoided due to automatic calibration
- Reliable detection even of deep-lying objects up to a depth of 12 cm
- Even more reliable indication of objects due to the three-colour LED luminous ring with marking hole
- Better visibility due to illuminated display
- Pinpoint indication of the object's centre with the "Centre Finder" scale, and display of material properties
- Three detection modes for various applications: drywall mode, metal mode, live cable mode

Modes	**Drywall mode**	**Metal mode**	**Live cable mode**
Detection	All objects (wooden substructures, metal substructures, live cables)	Ferrous and non-ferrous metals, live cables	Only live cables with electricity of 50/60 Hz
Maximum detection depth	3.8 cm	12 cm (ferrous), 8 cm (non-ferrous)	5 cm

GMS 120 Professional	
Part number	**0 601 081 000**
Detectable materials	Wooden substructures, ferrous metals, non-ferrous metals, live cables
Max. detection depth	Ferrous metals 120 mm, non-ferrous metals 80 mm, live cables 50 mm, wooden substructures 38 mm
Automatic shutdown, approx.	5 mins
Power supply	1 x 9 V 6LR61 battery
Weight, approx.	270 g
Dimensions (L/W/H)	200 x 85 x 32 mm
Dust and splash protection	IP54
Comes complete with	Protective case, hand strap, 1 x 9 V 6LR61 battery

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

D-tect 150 Professional wallscanner

Maximum precision for maximum safety when drilling

- The specialist for all professionals who wish to avoid accidentally striking unwanted objects when drilling
- Ultra wideband radar sensor system provides millimetre-accurate detection of ferrous/non-ferrous metals, live cables, wooden beams and even plastic pipes (floor and wall heating systems)
- Maximum detection depth of 15 cm, calibration-free
- Display of maximum permitted drilling depth and material properties
- Five different modes enable optimum detection in any building material

The **D-tect 150 Professional** wall-scanner is ideal for all demanding detection jobs. Even plastic pipes are reliably detected.

D-tect 150 Professional	
Part number	**0 601 010 005**
Detectable materials	Plastic pipes, ferrous metals, non-ferrous metals, wooden substructures, live cables
Max. detection depth	150 mm
Accuracy	± 5 mm
Automatic shutdown, approx.	5 mins
Power supply	4 x 1.5 V LR6 (AA) batteries
Weight, approx.	700 g
Dimensions (L/W/H)	220 x 97 x 120 mm
Dust and splash protection	IP54
Comes complete with	Protective case (1 609 203 D42), 4 x 1.5 V LR6 (AA) batteries

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

NEW! D-tect 150 SV
Professional wallscanner

Detects materials in any building material, even in damp concrete

- The specialist for detecting under difficult conditions with three operating modes for concrete. NEW: reliable detection of objects in damp concrete
- The Signal View/SV mode delivers reliable results under extremely difficult measuring conditions
- Ultra wideband radar sensor system provides millimetre-accurate detection of ferrous/non-ferrous metals, live cables, wooden beams and even plastic pipes (floor and wall heating systems)
- Seven different modes enable optimum detection in any building material
- The actual object depth is displayed, making it easy to determine the actual level of concrete cover

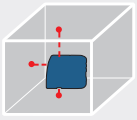
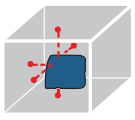
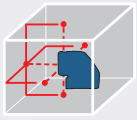
Signal View directly displays the data as detected by the radar. The instrument does not interpret the data. As a result, it is possible to identify specifics while on site with even greater accuracy and take these into account during analysis.

NEW! D-tect 150 SV Professional
0 601 010 008
Plastic pipes, ferrous metals, non-ferrous metals, wooden substructures, live cables
150 mm
± 5 mm
5 mins
4 x 1.5 V LR6 (AA) batteries
700 g
220 x 97 x 120 mm
IP54
Protective case (1 609 203 D42), 4 x 1.5 V LR6 (AA) batteries

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

2 Point, line and rotation lasers from Bosch: the reference class

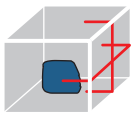
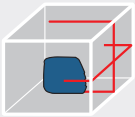
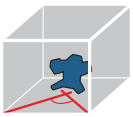
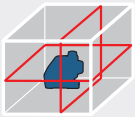
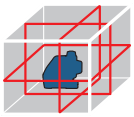
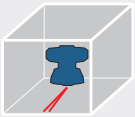
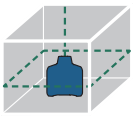
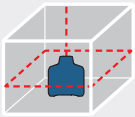
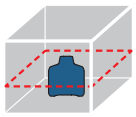
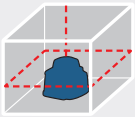
Perfection in the building trade requires maximum precision when transferring measured values. Bosch offers a comprehensive product range for every imaginable task in every construction phase. Unique new products enable better work results.

Point lasers	GPL 3 Professional	GPL 5 Professional	NEW! GCL 25 Professional
			
Horizontal levelling/ alignment	○	◎	●
Vertical levelling/ alignment	◎	◎	●
Plumb alignment/ plumb function	●	●	●
Transfer of right angles	–	●	●
Room partitioning	–	◎	◎
Tiling	–	–	◎

Point lasers
Point lasers can be used to quickly and reliably align pillars in a plumb position or to transfer hole plans from the floor to the ceiling.

Line lasers
are ideal for horizontal and vertical indoor alignment. They are compact, reliable and easy to operate.

Rotation lasers
Rotation lasers are recommended for all horizontal and vertical work, both indoors and outdoors.

Line lasers						Rotation lasers			
GLL 2 Professional	**GLL 2-50** Professional	**GTL 3** Professional	**GLL 2-80 P** Professional	**GLL 3-80 P** Professional	**NEW! GSL 2** Professional	**GRL 300 HVG** Professional	**GRL 300 HV** Professional	**GRL 400 H** Professional	**BL 200 GC** Professional
									
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● Ideal ◎ Suitable ○ Possible – Unsuitable

GPL 3 Professional point laser

Highly compact 3-point laser – ideal for plumb point transfer

- Self-levelling 3-point horizontal and plumb laser for indoor work
- Enables precise transfer of a reference point from the floor to the ceiling
- Easy handling due to its very compact size
- Wide variety of fixing possibilities using the universal mount

Tested by professionals: "The GPL 3 Professional is ideal for fast and millimetre-accurate calculation of surface irregularities on floors."

GPL 3 Professional	
Part number	**0 601 066 100**
Working range	30 m*
Accuracy	± 0.3 mm/m
Self-levelling range	± 5° longitudinal axis, ± 3° transverse axis
Laser diode/class	635 nm/< 1 mW/2
Dust and splash protection	IP5X
Operating time, max.	24 h
Dimensions (L/W/H)	104 x 40 x 80 mm
Weight	0.25 kg
Comes complete with	3 x 1.5 V LR6 (AA) batteries, multifunctional mount, protective case

* Depending on ambient brightness.

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GPL 5 Professional point laser

Highly compact 5-point laser – for easy transfer of right angles

- Self-levelling 5-point horizontal and plumb laser for indoor work
- For precise transfer of right angles and reference points from the floor to the ceiling
- Easy handling due to its very compact size
- Wide variety of fixing possibilities using the universal mount

Crosshair laser technology
The unique crosshair laser grid ensures optimum visibility of the laser point at medium and longer distances.

GPL 5 Professional	
Part number	**0 601 066 200**
Working range	30 m*
Accuracy	± 0.3 mm/m
Self-levelling range	± 5° longitudinal axis, ± 3° transverse axis
Laser diode/class	635 nm/< 1 mW/2
Dust and splash protection	IP5X
Operating time, max.	24 h
Dimensions (L/W/H)	104 x 40 x 80 mm
Weight	0.25 kg
Comes complete with	3 x 1.5 V LR6 (AA) batteries, multifunctional mount, protective case

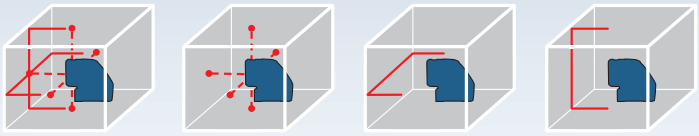
* Depending on ambient brightness.

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

NEW! GCL 25 Professional combi laser

Point and line laser in one – for versatile indoor applications

- Compact and space-saving, saves you having to buy multiple instruments
- High accuracy and long range for professional use
- Easy to operate using intuitive user interface
- Robust instrument for jobsite use (IP54)



The GCL 25 Professional is a point laser and a line laser in one instrument.
Five laser points enable plumb point transfer and horizontal reference marking.
Two additional laser lines make the GCL 25 Professional the ideal combi laser for the building trade.

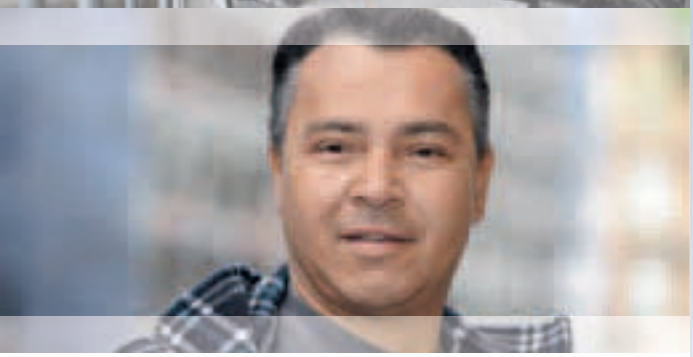
NEW! GCL 25 Professional			
Part number	**0 601 066 B00**	**0 601 066 B01**	**0 601 066 B02**
Working range	Lines 10 m/Points max. 30 m*		
Accuracy	± 0.3 mm/m, plumb points ± 0.5 mm/m		
Self-levelling range	Up to ± 4°		
Laser diode/class	635 nm/< 1 mW/2		
Dust and splash protection	IP54		
Operating time, max.	15 h		
Dimensions (L/W/H)	118 x 57 x 89 mm		
Weight	0.45 kg		
Comes complete with	4 x 1.5 V LR6 (AA) batteries, L-BOXX inlay, protective case	Laser target, L-BOXX inlay, 4 x 1.5 V LR6 (AA) batteries, BS 150 building tripod, protective case	Laser target, 4 x 1.5 V LR6 (AA) batteries, BM 1 universal mount, L-BOXX inlay, L-BOXX, protective case

* Depending on ambient brightness.

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

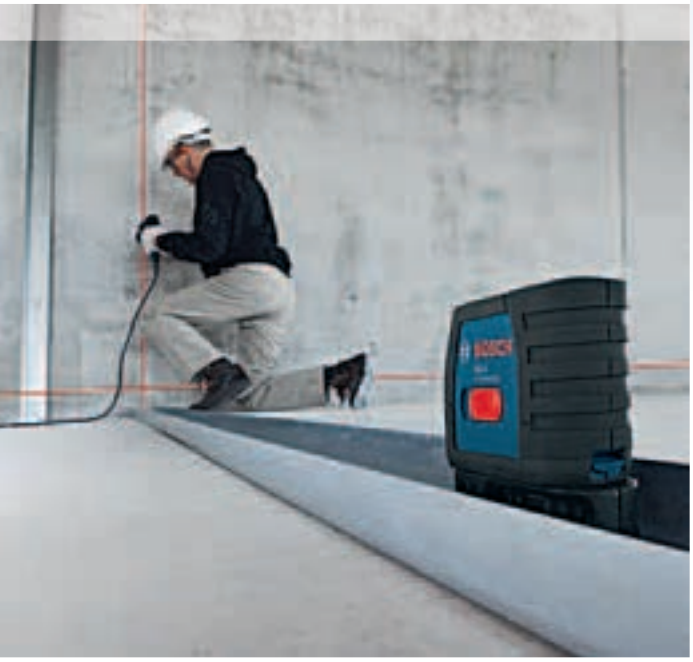
GLL 2 Professional line laser

The compact cross line laser for professionals



Tested by professionals:
“The compactness and the good visibility of the lines convinced me. The GLL 2 Professional fits in your trouser pocket and can’t get lost on the construction site.”

- Small, lightweight, always within reach
- Easy one button operation
- Versatile use due to multifunctional mount



GLL 2 Professional	
Part number	**0 601 063 700**
Working range	> 10 m*
Accuracy	± 0.3 mm/m
Self-levelling range	Up to ± 4°
Laser diode/class	635 nm/< 1 mW/2
Dust and splash protection	IP5X
Operating time, max.	15 h
Dimensions (L/W/H)	80 x 42 x 96 mm
Weight	0.25 kg
Comes complete with	3 x 1.5 V LR6 (AA) batteries, multifunctional mount, protective case

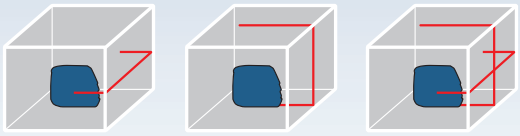
* Depending on ambient brightness.

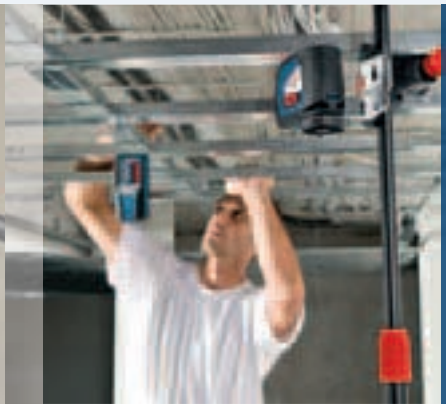
More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GLL 2-50 Professional line laser

Precise lines, high visibility

- Self-levelling horizontal and vertical pendulum line laser for quick alignment of lines
- High visibility of the laser lines with a working range of 20 m (without receiver)
- Extremely precise with an accuracy of ± 3 mm at a distance of 10 m





Studies conducted by the University of Cantabria show that at a working range of 20 m at 60,000 lux, the GLL 2-50 Professional projects more precise lines than all other line lasers available on the market.

GLL 2-50 Professional			
Part number	**0 601 063 101**	**0 601 063 102**	**0 601 063 103**
Working range	50 m (with receiver), 20 m (without receiver)*		
Accuracy	± 0.3 mm/m		
Self-levelling range	Up to ± 4°		
Laser diode/class	635 nm/< 1 mW/2		
Dust and splash protection	IP54		
Operating time	12 h		
Dimensions (L/W/H)	118 x 57 x 89 mm		
Weight	0.45 kg		
Comes complete with	Alignment disc, 3 x 1.5 V LR6 (AA) batteries, BS 150 building tripod, protective case	3 x 1.5 V LR6 (AA) batteries, BM 1 universal mount, carrying case	3 x 1.5 V LR6 (AA) batteries, BM 1 universal mount, LR 2 receiver, 1 x 9 V 6LR61 battery, carrying case

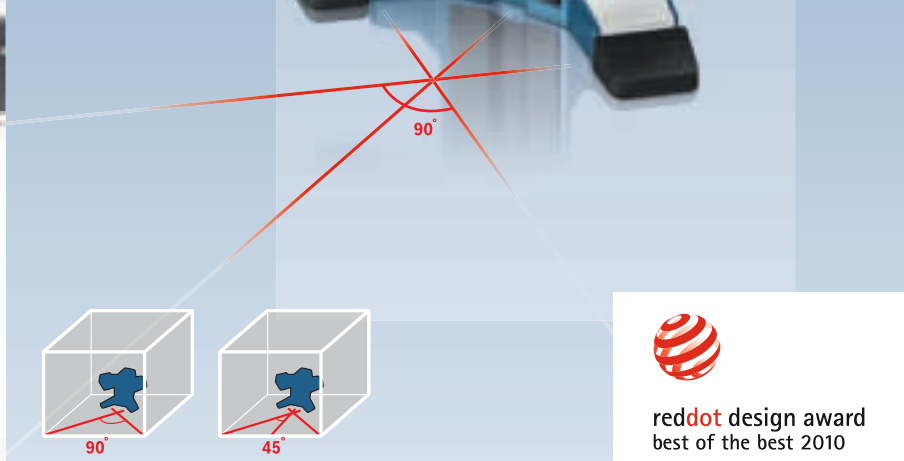
* Depending on ambient brightness.

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GTL 3 Professional line laser

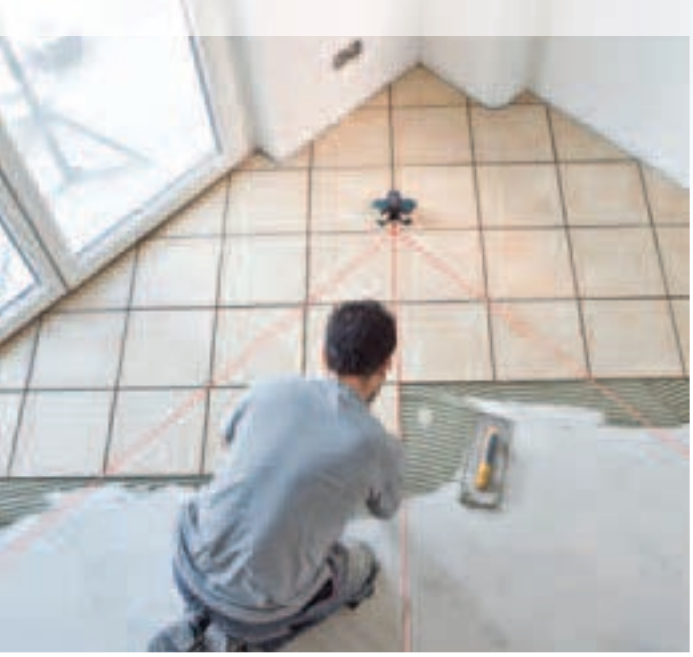
Fast tiling due to additional line at 45°

Tested by professionals:
“The additional 45° line is the perfect aid for precise work, particularly renovations and refurbishment of old buildings. I was also impressed by the range of the GTL 3 Professional.”



reddot design award
best of the best 2010

- In addition to the two laser lines at an angle of 90°, it projects a third line at 45° for precise and fast aligning and laying of wall and floor tiles
- High accuracy of 0.2 mm/m
- Compact, lightweight design for optimum handling



GTL 3 Professional	
Part number	**0 601 015 200**
Working range with target	20 m*
Angular accuracy (0° to 90° angles)	± 0.2 mm/m
Laser diode/class	635 nm/< 1 mW/2
Dust and splash protection	IP54
Operating time, max.	18 h in 2-line mode, 12 h in 3-line mode
Dimensions (L/W/H)	156 x 102 x 98 mm
Weight	0.5 kg
Comes complete with	Laser target, alignment disc, 4 x 1.5 V LR6 (AA) batteries, protective case

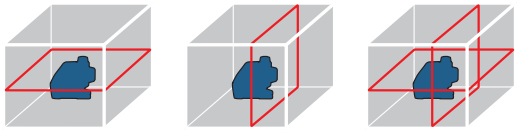
* Depending on ambient brightness.

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GLL 2-80 P Professional line laser

360° levelling – faster and easier than ever

- High work efficiency: simultaneous performance of horizontal and vertical levelling applications in the entire room with only one instrument
- Large working range: precise work in a diameter of up to 80 m using the LR 2 Professional receiver
- Easy to use: self-levelling up to 4° within 4 seconds, compact design



GLL 2-80 P Professional			
Part number	**0 601 063 201**	**0 601 063 202**	**0 601 063 203**
Working range Ø	80 m (with receiver), 40 m (without receiver)*		
Accuracy	± 0.2 mm/m		
Self-levelling range	Up to ± 4°		
Laser diode/class	640 nm/< 1 mW/2		
Dust and splash protection	IP54		
Operating time, max.	18 h in 1-line mode		
Dimensions (L/W/H)	158 x 54 x 141 mm		
Weight	0.68 kg		
Comes complete with	Laser target, 4 x 1.5 V LR6 (AA) batteries, BS 150 building tripod, protective case	Laser target, 4 x 1.5 V LR6 (AA) batteries, BM 1 universal mount, carrying case	Laser target, 1 x 9 V 6LR61 battery, 4 x 1.5 V LR6 (AA) batteries, BM 1 universal mount, LR 2 receiver, carrying case

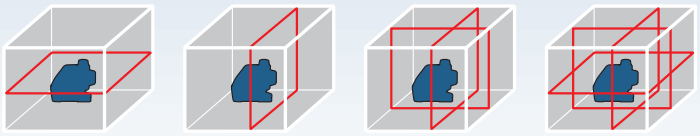
* Depending on ambient brightness.

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GLL 3-80 P Professional line laser

The compact multi line laser for all indoor applications

- Wide range of applications: One horizontal and two vertical 360° lines enable many new applications for simultaneous marking, alignment and levelling indoors
- Self-levelling (4° in 4 sec), very precise (± 0.2 mm/m) and a range of up to 80 m in diameter with the LR 2 Professional receiver
- Compact, easy-to-use and extremely robust (IP54)
- Projects a plumb point above and below due to the second vertical line



GLL 3-80 P Professional			
Part number	**0 601 063 301**	**0 601 063 302**	**0 601 063 303**
Working range Ø	80 m (with receiver), 40 m (without receiver)*		
Accuracy	± 0.2 mm/m		
Self-levelling range	Up to ± 4°		
Laser diode/class	640 nm/< 1 mW/2		
Dust and splash protection	IP54		
Operating time, max.	18 h in 1-line mode		
Dimensions (L/W/H)	159 x 75 x 141 mm		
Weight	0.76 kg		
Comes complete with	Laser target, 4 x 1.5 V LR6 (AA) batteries, BS 150 building tripod, protective case	Laser target, 4 x 1.5 V LR6 (AA) batteries, BM 1 universal mount, carrying case	Laser target, 1 x 9 V 6LR61 battery, 4 x 1.5 V LR6 (AA) batteries, BM 1 universal mount, LR 2 receiver, carrying case

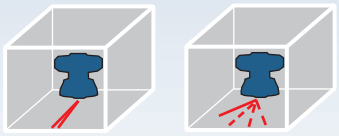
* Depending on ambient brightness.

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

NEW! GSL 2 Professional floor surface laser

The first solution specifically for checking floor flatness – quickly and reliably

- Rotates 360 degrees to completely check the flatness of the entire surface quickly
- Displays surface irregularities precisely using a simple principle: one line = flat, broken line = not flat
- Set version is motorised and supplied with a remote control for ease of use
- Ideal for site managers, composition floor layers, surveyors and all flooring trades



Two lines are projected parallel to each other on the floor. If the floor covering is flat, the two lines appear as one line. If it is not flat, both lines are visible.

NEW! GSL 2 Professional	**Basic (Manual)**	**Set (Motorised)**
Part number	**0 601 064 000**	**0 601 064 001**
Working range	20 m	
Accuracy	± 0.3 mm/m	
Self-levelling range	Up to ± 4°	
Laser diode/class	5 mW/3 R	
Dust and splash protection	IP54	
Operating time, max.	15 h	
Dimensions (L/W/H)	80 x 42 x 96 mm	
Weight	With batteries approx. 1.5 kg	
Comes complete with	4 x 1.5 V LR6 (AA) batteries, protective case, viewing glasses, user manual, L-BOXX, target	4 x 1.5 V LR6 (AA) batteries, protective case, viewing glasses, user manual, L-BOXX, 10.8 V lithium-ion battery, RC 2 remote control, target

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

The laser head of the GSL 2 Professional can be swivelled 360° using a remote control. This enables large surfaces to be checked quickly and reliably. In the basic version, the instrument is turned manually.

Surface irregularities can be detected accurately to the millimetre using a target (accessory). For maximum precision when rectifying irregularities.

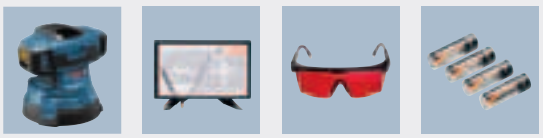
Target (accessory)

Remote control (set version)

The GSL 2* Professional can be operated both with the 10.8 V lithium-ion battery pack and with 4 x 1.5 V AA alkaline batteries.

Scope of delivery

Basic



Set

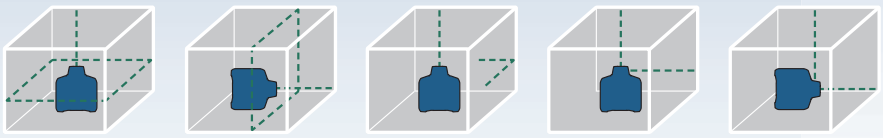
* Set version only

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GRL 300 HVG Professional rotation laser

Outstanding visibility for indoor applications

- Green laser line: up to four times better visibility than a red laser line
- Easy to set up in both the horizontal and vertical modes due to automatic self-levelling of 8% (± 5°)
- The shock warning function, which can be switched on and off, prevents levelling errors in the event of shocks or vibrations



Tested by professionals:
"The better visibility of the green laser beam in indoor areas is amazing, especially over long distances, in bright environments or on dark measuring surfaces."

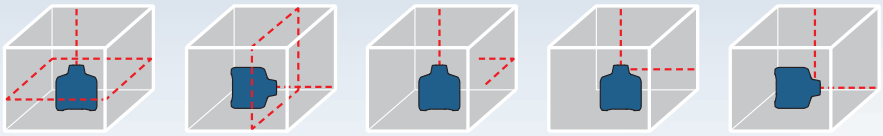
GRL 300 HVG Professional		
Part number	**0 601 061 700**	**0 615 994 04B**
Laser class	3R	
Working range Ø with receiver	300 m	
Accuracy	± 0.1 mm/m	
Self-levelling range	± 5°	
Rotation speed	150, 300, 600 rpm	
Scan function	10°, 25°, 50°	
Point function	Yes	
Dust and splash protection	IP54	
Operating time, max.	Rechargeable battery (NiMH) 20 h; alkaline 30 h	
Dimensions (L/W/H)	190 x 180 x 170 mm	
Weight	1.8 kg	
Comes complete with	RC 1 Professional remote control, WM 4 Professional wall mount, rechargeable battery (NiMH), non-rechargeable battery housing, 2 x 1.2 V HR20 (D) (9 Ah), 2 x 1.5 V LR20 (D), laser viewing glasses, target, charger with adapter, carrying case	LR 1G Prof. receiver, RC 1 Prof. remote control, GR 240 Prof. cut & fill rod, BT 300 HD Prof. building tripod, WM 4 Prof. wall mount, rechargeable battery (NiMH), non-rechargeable battery housing, 2 x 1.2 V HR20 (D) (9 Ah), 2 x 1.5 V LR20 (D), laser viewing glasses, target, charger with adapter, carrying case

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GRL 300 HV Professional rotation laser

Easy handling with horizontal and vertical self-levelling

- Easy to operate thanks to one button per function, and self-explanatory display
- Easy to set up in both the horizontal and vertical modes due to automatic self-levelling of 8% (± 5°)
- The shock warning function, which can be switched on and off, prevents levelling errors in the event of shocks or vibrations



Applications
The GRL 300 HV Professional is ideal for indoor applications such as fitting suspended ceilings or installation work.

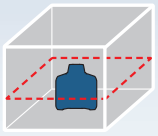
GRL 300 HV Professional		
Part number	**0 601 061 501**	**0 615 994 03Y**
Laser class	3R	
Working range Ø with receiver	300 m	
Accuracy	± 0.1 mm/m	
Self-levelling range	± 5°	
Rotation speed	150, 300, 600 rpm	
Scan function	10°, 25°, 50°	
Point function	Yes	
Dust and splash protection	IP54	
Operating time, max.	Rechargeable battery (NiMH) 30 h; alkaline 50 h	
Dimensions (L/W/H)	190 x 180 x 170 mm	
Weight	1.8 kg	
Comes complete with	LR 1 Professional receiver, RC 1 Professional remote control, WM 4 Professional wall mount, rechargeable battery (NiMH), non-rechargeable battery housing, 2 x 1.2 V HR20 (D) (9 Ah), 2 x 1.5 V LR20 (D), laser viewing glasses, target, charger with adapter, carrying case	LR 1 Prof. receiver, RC 1 Prof. remote control, GR 240 Prof. cut & fill rod, BT 300 HD Prof. building tripod, WM 4 Professional wall mount, rechargeable battery (NiMH), non-rechargeable battery housing, 2 x 1.2 V HR20 (D) (9 Ah), 2 x 1.5 V LR20 (D), laser viewing glasses, target, charger with adapter, carrying case

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GRL 400 H Professional rotation laser

The easy-to-operate rotation laser for outdoor use

- Easy to use: single-button function
- Self-levelling of 8% (± 5°) in the horizontal mode
- Automatic shock warning function prevents levelling errors in the event of vibrations or shocks



Precision even over long distances
The GRL 400 H Professional can be used up to a diameter of 400 m with a receiver, and this with a precision of 0.08 mm/m. For use in civil engineering and landscaping.

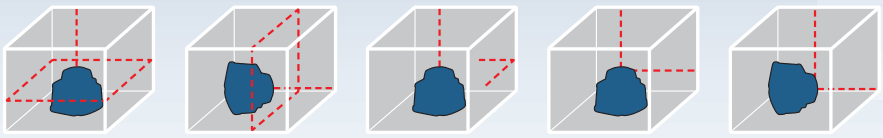
GRL 400 H Professional		
Part number	**0 601 061 800**	**0 615 994 03U**
Laser class	2	
Working range Ø with receiver	400 m	
Accuracy	± 0.08 mm/m	
Self-levelling range	± 5°	
Rotation speed	600 rpm	
Scan function	–	
Point function	–	
Dust and splash protection	IP56	
Operating time, max.	Rechargeable battery (NiMH) 30 h; alkaline 50 h	
Dimensions (L/W/H)	190 x 180 x 170 mm	
Weight	1.8 kg	
Comes complete with	LR 1 Professional receiver, rechargeable battery (NiMH), non-rechargeable battery housing, 2 x 1.2 V HR20 (D) (9 Ah), 2 x 1.5 V LR20 (D), charger with adapter, carrying case	LR 1 Professional receiver, GR 240 Professional cut & fill rod, BT 170 HD Professional building tripod, rechargeable battery (NiMH), non-rechargeable battery housing, 2 x 1.2 V HR20 (D) (9 Ah), 2 x 1.5 V LR20 (D), charger with adapter, carrying case

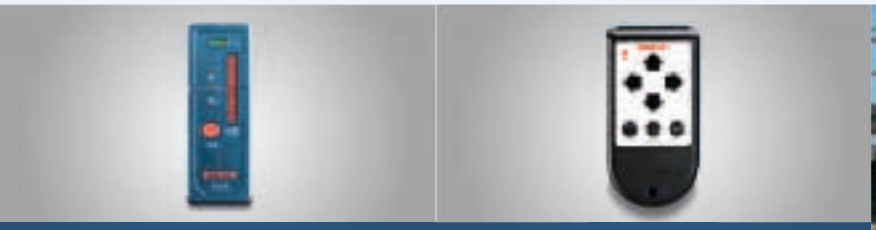
More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

BL 200 GC Professional rotation laser

The robust instrument for any construction site

- Ideal for use outdoors and in bad weather thanks to robust dust and splash protection (IP66) and prism cover
- Powerful receiving lens and BLE 200 Professional receiver for levelling up to 200 m
- Extremely precise (1 mm/20 m) for accurate working, even over long distances





BLE 200 Professional
high-performance receiver

BLR 10 Professional
remote control

High functionality
Plumb beam and reference beam allow for fast alignment. The instrument can be set to point, line or rotation mode to provide optimum visibility.

BL 200 GC Professional	
Part number	**0 601 015 000**
Laser class	3R
Working range Ø with receiver	400 m
Accuracy	± 0.05 mm/m
Self-levelling range	± 5°
Rotation speed	10, 50, 200, 600 rpm
Point function	Yes
Operating time, max.	Rechargeable battery (NiMH) 30 h; alkaline 40 h
Dust and splash protection	IP66
Dimensions (L/W/H)	211 x 180 x 190 mm
Weight	3 kg
Comes complete with	1 x battery pack/charger, BLE 200 Professional receiver, BLR 10 Professional remote control, measuring plate, 4 x 1.2 V KR20 (D) (5,000 mAh), 4 x 1.5 V LR20 (D), laser viewing glasses, incline calculator, carrying case

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

Even more power and precision
with the right accessory

LR 1 Professional **laser receiver**

- Handy receiver for indoor and outdoor use for ranges of up to 200 m in combination with GRL 400 H Professional and GRL 300 HV Professional rotation lasers
- Visual and audible alignment of the laser beam plane
- Dust and splash protection (IP65)

GRL 300 HV
Professional

GRL 400 H
Professional

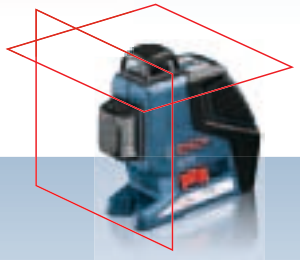
LR 1G Professional **laser receiver**

- Handy receiver for indoor and outdoor use for ranges of up to 150 m in combination with GRL 300 HVG Professional rotation laser
- Easily attached to a staff using the bracket
- Clear display showing all necessary information
- Dust and splash protection (IP65)

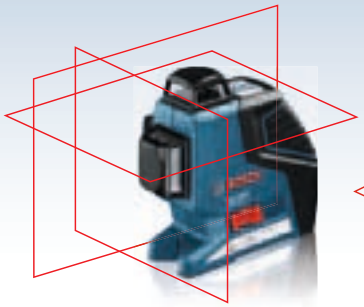
GRL 300 HVG
Professional

LR 2 Professional **laser receiver**

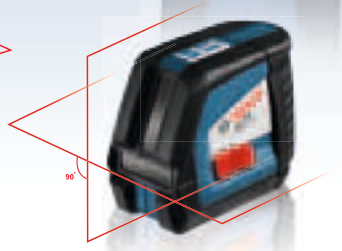
- Handy receiver for indoor and outdoor use for ranges of up to 50 m
- Alignment of the laser beam plane, visual (display and LEDs) and audible signals, for working in various lighting conditions
- Top-mounted magnets for better fixing
- Dust and splash protection (IP54)



GLL 2-80 P
Professional



GLL 3-80 P
Professional



GLL 2-50
Professional

BL 200 GC
Professional

BLE 200 Professional **high-performance receiver**

- Handy receiver for outdoor and indoor use for ranges of up to 200 m
- Visual and audible indication of laser beam plane
- Integrated light filter switching for sunlight or artificial light
- Dust and splash protection (IP66)

GSL 2
Professional

NEW! RC 2 Professional **remote control**

- Handy remote control for indoor use with a range of 20 m
- Three pairs of buttons for fast, slow and step-by-step measurement
- Dust and splash protection of IP5X

RC 1 Professional **remote control**

- Handy remote control with a range of 30 m
- For GRL 300 HV Professional and GRL 300 HVG Professional

BLR 10 Professional **remote control**

- Handy remote control for outdoor use with a range of 30 m
- Suitable for BL 200 GC Professional

3 Optical levels from Bosch: precise and extremely robust

The optical levels from Bosch excel due to their high precision and great reliability. The tried-and-tested tripods make levelling easier and are easily, very precisely and reliably set, which makes them perfect for use in tough conditions on the construction site.

GOL 20 G/D Professional optical levels

Robust and reliable – ideal for outdoor use

- Ideal for outdoor use due to a robust housing with dust and splash protection (IP54)
- Fast aperture for a sharp image of the target
- Compensator lock for safe transport

GOL 26 G/D Professional optical levels

Extremely robust for outdoor use

- Designed for outdoor use due to sturdy metal housing with dust and splash protection (IP54)
- Robust design with built-in target collimator and integrated circular vial
- Carrying case with compensator lock for safe transport

	GOL 20 G Professional	**GOL 20 D** Professional	**GOL 26 G** Professional	**GOL 26 D** Professional
Part number	**0 601 068 401**	**0 601 068 400**	**0 601 068 001**	**0 601 068 000**
Unit of measure	400 gons	360°	400 gons	360°
Angular accuracy	1 gon	1°	1 gon	1°
Working range	Up to 60 m	Up to 60 m	Up to 100 m	Up to 100 m
Magnification	20x	20x	26x	26x
Levelling accuracy	3 mm at 30 m	3 mm at 30 m	1.6 mm at 30 m	1.6 mm at 30 m
Dust and splash protection	IP54	IP54	IP54	IP54
Dimensions (L/W/H)	215 x 135 x 145 mm	215 x 135 x 145 mm	215 x 135 x 145 mm	215 x 135 x 145 mm
Weight	1.7 kg	1.7 kg	1.7 kg	1.7 kg
Comes complete with	Lens cover, plumb bob, Allen key, adjusting pin, carrying case	Lens cover, plumb bob, Allen key, adjusting pin, carrying case	Lens cover, plumb bob, Allen key, adjusting pin, carrying case	Lens cover, plumb bob, Allen key, adjusting pin, carrying case

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

4 Laser rangefinders from Bosch: more range, more functionality

Laser rangefinders from Bosch are precision instruments that achieve reliable measuring results in the most difficult conditions. All Bosch rangefinders excel due to their functionality (which means eliminating anything which is not essential), robustness and ease of use. High-quality technological components ensure reliable operation and long life. Your advantage: maximum precision even in extreme conditions.

State-of-the-art rangefinding

In addition to outstanding functionality, advanced technology gives you the certainty of being able to achieve reliable measuring results even under challenging conditions. Laser precision – for maximum precision under tough jobsite conditions.

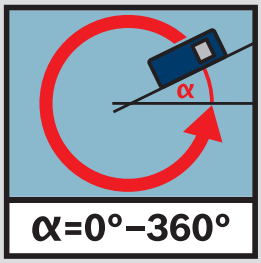
Intelligent light sensor
The intelligent light sensor measures the ambient light and adapts the display lighting to suit.

Maximum measurement performance
even in adverse lighting conditions, due to large glass lens.

Maximum precision
over the entire lifetime due to tough ceramic optics carrier.

Lithium-ion technology
Up to 25,000 measurements per battery charge, rechargeable via standard micro USB port.

360° inclinometer
makes work easier and gives the GLM 80 Professional additional functions.



Corner measuring pin
The corner measuring pin enables you to perform millimetre-accurate measurements even from hard-to-reach positions.

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

Range and functionality

Bosch offers a range of different laser rangefinders for all applications. From the laser rangefinder with the longest range on the market, the **GLM 250 VF Professional,** through to the compact entry-level instrument.

250 m
150 m
80 m
50 m

NEW! GLM 50 Professional	GLM 80 Professional	GLM 150 Professional	GLM 250 VF Professional		Explanations
± 1.5 mm	± 1.5 mm	± 1 mm	± 1 mm	±	Typical measuring accuracy
—	20 + 1	30	30		Memory + constant
●	●	●	●		Distance measurement
●	●	●	●		Continuous measurement
●	●	●	●		Area measurement
●	●	●	●		Volume measurement
●	●	●	●	+/-	Addition/subtraction
—	●	●	●		Corner measuring pin
—	●	●	●		Wall area measurement
—	●	●	●		Timer function
—	●	●	●	min/max	Min./max. function
—	●	—	—		Incline measurement
—	●	—	—		Indirect distance measurement
●	●	●	●		Single indirect height measurement
—	●	●	●		Double indirect height measurement
—	—	●	●		Stake-out function
—	—	●	●		Trapezium measurement
—	—	—	●		Integrated viewfinder

NEW! GLM 50 Professional

GLM 80 Professional

GLM 150 Professional

GLM 250 VF Professional

NEW! GLM 50 Professional laser rangefinder

The easy solution for precise rangefinding

- All important measuring functions – intuitive to use
- Large, automatically illuminated three-line display for the best visibility
- Softgrip all-round protection and robust design for tough jobsite conditions

Tested by professionals:
"The **GLM 50 Professional** offers the most important functions and is well protected for day-to-day jobsite use."

NEW! GLM 50 Professional	
Part number	**0 601 072 200**
Measuring range	0.05–50 m
Measuring accuracy, typ.	± 1.5 mm
Laser class	2
Laser diode	635 nm, < 1 mW
Individual measurements per set of batteries	10,000
Weight, approx.	0.14 kg
Dimensions (L/W/H)	114 x 53 x 31 mm
Dust and splash protection	IP54
Comes complete with	Protective case, 2 x 1.5 V (AAA) batteries, manufacturer's certificate

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GLM 80 Professional laser rangefinder

The high-tech solution for easy measurement

- New functionality due to integrated 360° incline sensor
- Precise and easy to operate due to illuminated display which flips automatically depending on the orientation of the instrument
- Maximum freedom due to lithium-ion technology – up to 25,000 measurements per charge. Can be recharged via standard micro USB port

Indirect height measurement made easy – just a push of a button

Aim the laser rangefinder at the top edge of the object. The incline sensor automatically detects the angle of inclination, and the instrument calculates the corresponding height using the sine law. Obstacles in the measuring area are no longer a problem.

GLM 80 Professional	
Part number	**0 601 072 300**
Measuring range	0.05–80 m
Measuring accuracy, typ.	± 1.5 mm
Laser class	2
Laser diode	635 nm, < 1 mW
Incline measurement	± 60° vertical/360° horizontal (4 x 90°)
Accuracy of incline measurement	± 0.2°
Individual measurements per battery charge	25,000
Weight, approx.	0.14 kg
Dimensions (L/W/H)	111 x 51 x 30 mm
Dust and splash protection	IP54
Comes complete with	Protective case, micro USB charger, manufacturer's certificate

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GLM 80 Professional laser rangefinder + R 60 Professional

The inclinometer that also measures distances

- Precise digital incline measurement with the **R 60 Professional** measuring rail, which is immediately ready for operation due to measuring rail detection
- Audible signal at 0° and 90° to allow one person to perform precise levelling tasks
- Robust aluminium rail for maximum precision and long lifetime

Tested by professionals:

"Combining the **GLM 80 Professional** with the **R 60 Professional** measuring rail transforms it into a digital spirit level, enabling you to measure distances, level and precisely measure inclines all with the same instrument."

Clicking the **GLM 80 Professional** into the specially developed **R 60 Professional** measuring rail turns it into a digital inclinometer. The integrated rail detection ensures that the instrument switches to incline measurement mode when it is switched on. Rafters, for example, can be checked or cabinetry can be levelled with an accuracy of up to ± 0.2°.

GLM 80 + R 60 Professional	
Part number	**0 601 072 301**
Measuring range	0–360° (4 x 90° inclines)
Accuracy of incline measurement	± 0.2°
Weight	0.14 kg/0.6 kg (GLM 80/R 60)
Dimensions (L/W/H)	111 x 51 x 30 mm (GLM 80) 610 x 58 x 30 mm (GLM 80 + R 60)
Comes complete with	Protective case, micro USB charger, manufacturer's certificate, R 60 measuring rail

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GLM 150 Professional laser rangefinder

More functionality for indoor work

- Maximum precision over the entire lifetime due to tough ceramic optics carrier
- Numerous functions such as partial height measurement, stake-out function and roof slope measurement
- Automatic storage of the last 30 measurements

Tested by professionals:
"Our exhibition stand construction projects involve long distances and very complex architecture. Range and functionality are crucial factors, therefore we work with the **GLM 150 Professional** from Bosch."

GLM 150 Professional	
Part number	**0 601 072 000**
Measuring range	0.05–150 m
Measuring accuracy, typ.	± 1 mm
Laser class	2
Laser diode	635 nm, < 1 mW
Number of memory values	30
Individual measurements per set of batteries	30,000
Weight, approx.	0.24 kg
Dimensions (L/W/H)	120 x 66 x 37 mm
Dust and splash protection	IP54
Comes complete with	Carrying strap, protective case, 4 x 1.5 V (AAA) batteries, manufacturer's certificate

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

GLM 250 VF Professional laser rangefinder

The laser rangefinder with the longest range

- Ideal for outdoor use: integrated viewfinder for optimum visibility of the laser point up to a distance of 250 m
- Maximum measurement performance and precision, even in adverse lighting conditions, due to large glass lens and ceramic optics carrier
- Numerous easy-to-operate measurement functions for fast and accurate calculation of distances, areas and volumes

The integrated viewfinder enables you to accurately target over long distances, even under difficult lighting conditions.

GLM 250 VF Professional	
Part number	**0 601 072 100**
Measuring range	0.05–250 m
Measuring accuracy, typ.	± 1 mm
Laser class	2
Laser diode	635 nm, < 1 mW
Viewfinder	Yes
Number of memory values	30
Individual measurements per set of batteries	30,000
Weight, approx.	0.24 kg
Dimensions (L/W/H)	120 x 66 x 37 mm
Dust and splash protection	IP54
Comes complete with	Carrying strap, protective case, 4 x 1.5 V (AAA) batteries, manufacturer's certificate

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

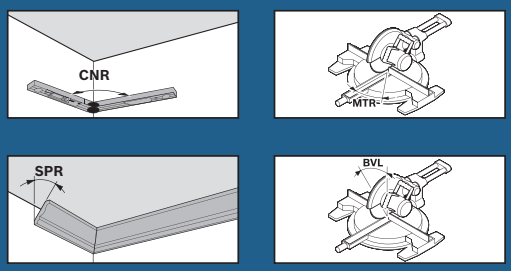
5 Angle measurers and inclinometers from Bosch: precise measurement, transfer and easy alignment

Ideal for precise measurement of angles, horizontals or inclines from 0° to 360°. These instruments are impressively easy to operate in every application: audible signal transmitters, memory and calculation functions, and displays that can be read overhead all serve to make work easier.

GAM 220 MF Professional angle measurer

Precise mitre angles at the press of a button

- Automatic calculation of single and double mitre angles without any other tools
- Rapid calculation and transfer of angles by means of memory function for frequently used angle dimensions
- Including arm extension for measuring in hard-to-reach areas
- No calibration required



Easy measurement of angles enables precise adjustment in sawing applications.

GAM 220 MF Professional	
Part number	**0 601 076 200**
Measuring range	0–220° (angles)
Measuring accuracy of angles	± 0.1°
Calculation function	Yes
Memory function	Yes
Weight	1.1 kg
Dimensions (L/W/H)	432 x 35 x 61 mm
Comes complete with	Protective case, 4 x 1.5 V LR6 (AA) batteries, arm extension

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

DWM 40 L Professional angle measurer

The most accurate angle measurement

- Faster, more precise and more efficient calculation of angles
- Hold function for holding and transferring the measuring result
- Maximum, lasting accuracy due to integrated, wear-free and temperature-independent precision angle sensor
- No calibration required

	DWM 40 L Professional	**DWM 40 L Set** Professional
Part number	**0 601 096 603**	**0 601 096 663**
Measuring range	0–220° (angles)	0–220° (angles)
Measuring accuracy of angles	± 0.1°	± 0.1°/± 0.05°
Weight	1.1 kg	1.1 kg
Dimensions (L/W/H)	432 x 35 x 61 mm	432 x 35 x 61 mm
Comes complete with	4 x 1.5 V LR6 (AA) batteries	Protective case, 4 x 1.5 V LR6 (AA) batteries, arm extension

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

DNM 60 L/120 L Professional inclinometers

Precise digital inclinometer

Precision and efficiency
The audible signal transmitter enables one person to perform precise levelling tasks.

- Measures precise inclines in degrees, percent or mm/m
- Direction arrows and audible signals at 0° and 90° for easy alignment
- Hold/copy function for holding and transferring the measuring result
- Measured values automatically turn on the display when working overhead

	DNM 60 L Professional	**DNM 120 L** Professional
Part number	**0 601 014 000**	**0 601 014 100**
Measuring range	0–360° (4 x 90° inclines)	0–360° (4 x 90° inclines)
Electronics measuring accuracy at 0°/90°	± 0.05°	± 0.05°
Electronics measuring accuracy at 1–89°	± 0.2°	± 0.2°
Weight	0.7 kg	1.3 kg
Dimensions (L/W/H)	600 x 25 x 60 mm	1,200 x 25 x 60 mm
Comes complete with	Protective case, 1 x 9 V 6LR61 battery	Protective case, 1 x 9 V 6LR61 battery

More information about the professional blue measuring tools and accessories can be found at www.bosch-professional.com.

Technical specifications at a glance

Detectors	Max. detection depth	Detectable materials	IP protection class	Power supply	Weight	Dimensions (L/W/H)	Page
NEW! GMS 100 M Professional	100 mm	Ferrous metals, non-ferrous metals, live cables	IP54	4 x 1.5 V LR6 (AA)	0.7 kg	220 x 97 x 120 mm	12
GMS 120 Professional	120 mm	Ferrous metals, non-ferrous metals, wooden substructures, live cables	IP54	1 x 9 V 6LR61 (AA)	0.27 kg	200 x 85 x 32 mm	13
D-tect 150 Professional	150 mm	Plastic pipes, ferrous metals, non-ferrous metals, wooden substructures, live cables	IP54	4 x 1.5 V LR6 (AA)	0.7 kg	220 x 97 x 120 mm	14
NEW! D-tect 150 SV Professional	150 mm	Plastic pipes, ferrous metals, non-ferrous metals, wooden substructures, live cables	IP54	4 x 1.5 V LR6 (AA)	0.7 kg	220 x 97 x 120 mm	15

Point lasers	Working range of laser points	Working range of laser crosses	Levelling accuracy	Self-levelling range	IP protection class	Power supply	Tripod mount	Weight	Dimensions (L/W/H)	Page
GPL 3 Professional	30 m*	–	± 0.3 mm/m	± 3°, ± 5°	IP5X	3 x 1.5 V LR6 (AA)	1/4", 5/8"	0.25 kg	104 x 40 x 80 mm	18
GPL 5 Professional	30 m*	–	± 0.3 mm/m	± 3°, ± 5°	IP5X	3 x 1.5 V LR6 (AA)	1/4", 5/8"	0.25 kg	104 x 40 x 80 mm	19
NEW! GCL 25 Professional	30 m*	10 m	± 0.3 mm/m	± 4°	IP54	4 x 1.5 V LR6 (AA)	1/4", 5/8"	0.45 kg	118 x 57 x 89 mm	20

Line lasers	Working range	Angular accuracy (0° to 90° angles)	Levelling accuracy	Self-levelling range	IP protection class	Power supply	Tripod mount	Weight	Dimensions (L/W/H)	Page
GLL 2 Professional	10 m*	–	± 0.3 mm/m	± 4°	IP5X	3 x 1.5 V LR6 (AA)	1/4", 5/8"	0.25 kg	80 x 42 x 96 mm	21
GLL 2-50 Professional	50 m*	–	± 0.3 mm/m	± 4°	IP54	3 x 1.5 V LR6 (AA)	1/4"	0.45 kg	118 x 57 x 89 mm	22
GTL 3 Professional	20 m*	± 0.2 mm/m	–	–	IP54	4 x 1.5 V LR6 (AA)	–	0.50 kg	156 x 102 x 98 mm	23
GLL 2-80 P Professional	Ø 80 m*	–	± 0.2 mm/m	± 4°	IP54	4 x 1.5 V LR6 (AA)	1/4", 5/8"	0.68 kg	158 x 54 x 141 mm	24
GLL 3-80 P Professional	Ø 80 m*	–	± 0.2 mm/m	± 4°	IP54	4 x 1.5 V LR6 (AA)	1/4", 5/8"	0.76 kg	159 x 75 x 141 mm	25
NEW! GSL 2 Professional	20 m*	–	± 0.3 mm/m	± 4°	IP54	1 x 10.8 V lithium-ion battery 4 x 1.5 V LR6 (AA)	1/4", 5/8"	1.5 kg	80 x 42 x 96 mm	26–27

* Depending on ambient brightness.

Rotation lasers

	Working range Ø with receiver	Levelling accuracy	Self-levelling range	IP protection class	Power supply	Tripod mount	Weight	Dimensions (L/W/H)	Page
GRL 300 HVG Professional	300 m	± 0.1 mm/m	± 5°	IP54	2 x 1.2 V HR20 (D) (9 Ah), 2 x 1.5 V LR20 (D)	5/8"	1.8 kg	190 x 180 x 170 mm	28
GRL 300 HV Professional	300 m	± 0.1 mm/m	± 5°	IP54	2 x 1.2 V HR20 (D) (9 Ah), 2 x 1.5 V LR20 (D)	5/8"	1.8 kg	190 x 180 x 170 mm	29
GRL 400 H Professional	400 m	± 0.08 mm/m	± 5°	IP56	2 x 1.2 V HR20 (D) (9 Ah), 2 x 1.5 V LR20 (D)	5/8"	1.8 kg	190 x 180 x 170 mm	30
BL 200 GC Professional	400 m	± 0.05 mm/m	± 5°	IP66	4 x 1.2 V KR20 (D) (5,000 mAh), 4 x 1.5 V LR20 (D)	5/8"	3 kg	211 x 180 x 190 mm	31

Optical levels

	Working range	Unit of measure	Magnification	IP protection class	Levelling accuracy	Tripod mount	Weight	Dimensions (L/W/H)	Page
GOL 20 G Professional	60 m	400 gons	20x	IP54	3 mm at 30 m	5/8"	1.7 kg	215 x 135 x 145 mm	35
GOL 20 D Professional	60 m	360°	20x	IP54	3 mm at 30 m	5/8"	1.7 kg	215 x 135 x 145 mm	35
GOL 26 G Professional	100 m	400 gons	26x	IP54	1.6 mm at 30 m	5/8"	1.7 kg	215 x 135 x 145 mm	35
GOL 26 D Professional	100 m	360°	26x	IP54	1.6 mm at 30 m	5/8"	1.7 kg	215 x 135 x 145 mm	35

Rangefinders

	Measuring range	Measuring accuracy	Memory values + constant	Integrated viewfinder	IP protection class	Power supply	Tripod mount	Weight	Dimensions (L/W/H)	Page
NEW! GLM 50 Professional	0.05–50 m	± 1.5 mm	–	–	IP54	2 x 1.5 V LR03 (AAA)	1/4"	0.14 kg	114 x 53 x 31 mm	39
GLM 80 Professional	0.05–80 m	± 1.5 mm	20 + 1	–	IP54	1 x 3.7 V lithium-ion battery	1/4"	0.14 kg	111 x 51 x 30 mm	40
GLM 80 + R 60 Professional	0.05–80 m	± 1.5 mm	20 + 1	–	IP54	1 x 3.7 V lithium-ion battery	1/4"	0.14 kg (GLM 80) 0.6 kg (R 60)	111 x 51 x 30 mm (GLM 80) 610 x 58 x 30 mm (R 60)	41
GLM 150 Professional	0.05–150 m	± 1 mm	30	–	IP54	4 x 1.5 V LR03 (AAA)	1/4"	0.24 kg	120 x 66 x 37 mm	42
GLM 250 VF Professional	0.05–250 m	± 1 mm	30	Yes	IP54	4 x 1.5 V LR03 (AAA)	1/4"	0.24 kg	120 x 66 x 37 mm	43

Angle measurers and inclino-meters

	Working range	Measuring accuracy	Power supply	Weight	Dimensions (L/W/H)	Page
GAM 220 MF Professional	0–220° (angles)	± 0.1° (angles)	4 x 1.5 V LR6 (AA)	1.1 kg	432 x 35 x 61 mm	45
DWM 40 L Professional	0–220° (angles)	± 0.1° (angles)	4 x 1.5 V LR6 (AA)	1.1 kg	432 x 35 x 61 mm	46
DNM 60 L Professional	0–360° (4 x 90° inclines)	± 0.05° (Electronics at 0°/90°)/ ± 0.2° (Electronics at 1–89°)	1 x 9 V 6LR61	0.7 kg	600 x 25 x 60 mm	47
DNM 120 L Professional	0–360° (4 x 90° inclines)	± 0.05° (Electronics at 0°/90°)/ ± 0.2° (Electronics at 1–89°)	1 x 9 V 6LR61	1.3 kg	1,200 x 25 x 60 mm	47

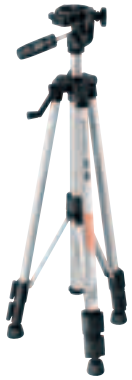
Accessories specifications at a glance

Laser receivers/ Remote controls		Range	Measuring accuracy (fine/rough)	Power supply	IP protection class	Weight	Suitable for	Part number
	LR 1 Professional laser receiver	0–200 m	± 1 mm/± 3 mm	1 x 9 V 6LR61	IP65	0.36 kg	GRL 400 H; GRL 300 HV; BL 200 GC Professional	0 601 015 400
	LR 1G Professional laser receiver	0–150 m	± 1 mm/± 3 mm	1 x 9 V 6LR61	IP65	0.36 kg	GRL 300 HVG Professional	0 601 069 700
	BLE 200 Professional high-perfor-mance receiver	0–200 m	± 1 mm/± 3 mm	2 x 1.5 V LR6 (AA)	IP66	0.21 kg	BL 200 GC; GRL 400 H; GRL 300 HV Professional	0 601 017 101
	LR 2 Professional laser receiver	5–50 m	± 1 mm/± 3 mm	1 x 9 V 6LR61	IP54	0.2 kg	GLL 3-80 P; GLL 2-80 P; GLL 2-50 Professional	0 601 069 100
	RC 1 Professional remote control	0–30 m	–	1 x 1.5 V LR6 (AA)	–	0.069 kg	GRL 300 HV; GRL 300 HVG Professional	0 601 069 900

Laser receivers/ Remote controls

		Range	Measuring accuracy (fine/rough)	Power supply	IP protection class	Weight	Suitable for	Part number
	RC 2 remote control	0–30 m	–	1 x 1.5 V LR6 (AA)	–	0.069 kg	GSL 2 Professional	0 601 069 C00
	BLR 10 Professional remote control	0–30 m	–	1 x 9 V 6LR61	–	0.12 kg	BL 200 GC Professional	0 601 096 961

Building tripods

		Work height	Tripod thread	Weight	Suitable for	Part number
	BS 150 Professional building tripod	52–147 cm	1/4"	1.0 kg	GPL 5 C; GPL 5; GPL 3; GLL 2; GCL 25; GLL 3-80 P; GLL 2-80 P; GLL 2-50; GLM 50; GLM 80; GLM 150; GLM 250 VF Professional	0 601 096 974
	BT 160 Professional building tripod	97–160 cm	5/8" x 11	4.1 kg	GPL 5 C; GPL 5; GPL 3; GLL 2; GCL 25; GLL 3-80 P; GLL 2-80 P; GRL 400 H; GRL 300 HVG; GRL 300 HV; BL 200 GC; GOL 20 G/D; GOL 26 G/D Professional With adapter: GLL 2-50; GLM 50; GLM 80; GLM 150; GLM 250 VF Professional	0 601 091 200

Accessories specifications at a glance

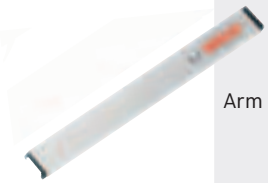
Building tripods

		Work height	Tripod thread	Weight	Suitable for	Part number
	BT 170 HD Professional building tripod	107–165 cm	5/8" x 11	5.5 kg	GPL 5 C; GCL 25; GPL 5; GPL 3; GLL 2; GLL 3-80 P; GLL 2-80 P; GRL 400 H; GRL 300 HVG; GRL 300 HV; BL 200 GC; GOL 20 G/D; GOL 26 G/D Professional With adapter: GLL 2-50; GLM 50; GLM 80; GLM 150; GLM 250 VF Professional	0 601 091 300
	BT 300 HD Professional building tripod	122–295 cm	5/8" x 11	7.2 kg	GPL 5 C; GCL 25; GPL 5; GPL 3; GLL 2; GLL 3-80 P; GLL 2-80 P; GRL 400 H; GRL 300 HVG; GRL 300 HV; BL 200 GC; GOL 20 G/D; GOL 26 G/D Professional With adapter: GLL 2-50; GLM 50; GLM 80; GLM 150; GLM 250 VF Professional	0 601 091 400
	Tripod adapter	–	–	–	All laser rangefinders	1 609 203 C10

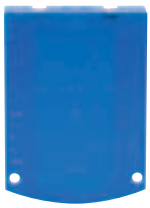
Mounts/ Incline wedge/ Others

			Weight	Suitable for	Part number
	Wall mount	▶ Suitable for mounting the laser levels on a wall and for aligning the horizontal line and vertical line on a tripod	–	BL 200 GC Professional	2 607 001 277

Mounts/ Incline wedge/ Others

			Weight	Suitable for	Part number
	WM 4 Professional wall mount	▶ Versatile fixing of the mount ▶ Height adjustment with locking device for safe and precise alignment	0.7 kg	GRL 400 H; GRL 300 HVG; GRL 300 HV Professional	0 601 092 400
	BM 1 Professional universal mount	▶ Versatile fixing of the mount ▶ Height adjustment with locking device for safe and precise alignment	0.5 kg	GPL 5 C; GCL 25; GPL 5; GPL 3; GLL 3-80 P; GLL 2-80 P Professional Ideal also in combination with the BT 350 Professional telescopic pole	0 601 015 A00
	Bracket	▶ For easy fixing to a rod or staff	–	LR 1; LR 1G; LR 2 Professional	1 608 M00 05A
	Arm extension	▶ For measuring on short contact surfaces and in hard-to-reach areas	0.14 kg	DWM 40 L; GAM 220 MF Professional	2 607 001 312
	R 60 Professional measuring rail	▶ Incline measuring rail with exact holder for GLM 80 Professional	0.6 kg	GLM 80 Professional	0 601 079 000

Accessories specifications at a glance

Laser targets/ Ceiling and measuring plate			Weight	Suitable for	Part number
	Target	▶ Enables millimetre-accurate measurement of surface irregularities (bumps and depressions)	–	GSL 2 Professional floor surface laser	1 608 M00 70B
	Laser target (red)	▶ Suitable for improving the visibility of the laser beam	–	GRL 400 H; GRL 300 HV Professional	1 608 M00 05C
	Laser target (blue)	▶ Suitable for improving the visibility of the green laser beam	–	300 HVG Professional	1 608 M00 05K
	Measuring plate	▶ Suitable for better alignment of the laser and as a marking aid for transferring the laser beam to walls and floors	–	All point, line and rotation lasers	2 607 002 195
	Laser target	▶ Suitable for better reflection of the laser beam, for example when measuring outdoors in bright sunlight	–	GLM 50; GLM 80; GLM 150; GLM 250 VF Professional	2 607 001 391

Laser viewing glasses

			Weight	Suitable for	Part number
	Laser viewing glasses (red)	▶ Improve the visibility of the laser beam and make it easier to work in adverse lighting conditions	–	GRL 400 H; GRL 300 HV; BL 200 GC Professional; all laser rangefinders	1 608 M00 05B
	Laser viewing glasses (green)	▶ Improve the visibility of the laser beam and make it easier to work in adverse lighting conditions	–	300 HVG Professional	1 608 M00 05J

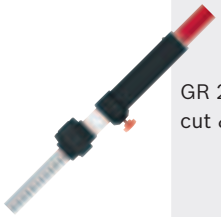
Power supply accessories

			Weight	Suitable for	Part number
	Non-rechargeable battery housing	▶ For alkaline batteries	–	GRL 400 H; GRL 300 HVG; GRL 300 HV Professional	1 608 M00 05D
	Charger	▶ With international adapter	–	GRL 400 H; GRL 300 HV; GRL 300 HVG Professional	1 608 M00 05E
	Rechargeable battery pack	▶ NiMH battery pack	–	GRL 400 H; GRL 300 HV; GRL 300 HVG Professional	1 608 M00 05G

Accessories specifications at a glance

Carrying cases/ Protective cases			Weight	Suitable for	Part number
	Carrying case for GOL 20/26 Professional	▶ Compensator lock for safe transport	–	GOL 20 D/G; GOL 26 D/G	1 600 A00 0LF
	Carrying case for GRL 300/400 Professional	▶ For safely transporting the tool	–	GRL 400 H; GRL 300 HVG; GRL 300 HV Professional	1 608 M00 05F
	Carrying case for GLL 2-80 P/ GLL 3-80 P Professional	▶ For safely transporting the tool	–	GLL 2-80 P; GLL 3-80 P Professional	1 600 A00 0CB
	Carrying case for GLL 2-50 Professional	▶ For safely transporting the tool	–	GLL 2-50 Professional	2 605 438 682
	Protective case for R 60 Professional	▶ For safely transporting the measuring rail	–	R 60 Professional	1 600 Z00 01C
	Protective case for GMS 100 M/ GMS 120 Professional	▶ For the metal detector and multi-detector	–	GMS 100 M; GMS 120	2 609 170140

Rods/Staffs

		Work height/ Dimensions	Sections	Weight	Suitable for	Part number
	GR 240 Professional cut & fill rod	Up to 2.4 m	2	1.3 kg	GLL 2; GLL 3-80 P; GLL 2-80 P; GLL 2-50; GRL 400 H; GRL 300 HV; GRL 300 HVG; BL 200 GC; GOL 20 G/D; GOL 26 G/D Professional	0 601 094 100
	GR 500 Professional levelling staff	Up to 5 m	5	1.98 kg	GRL 400 H; GRL 300 HV; GRL 300 HVG; BL 200 GC; GOL 20 G/D; GOL 26 G/D Professional	0 601 094 300
	BT 350 Professional telescopic pole	140–350 cm	–	2.5 kg	GPL 5 C; GCL 25; GPL 5; GPL 3; GLL 2; GLL 3-80 P; GLL 2-80 P; GLL 2-50 Professional Ideal also in combination with the BM 1 Professional universal mount and WM 4 Professional wall mount	0 601 015 B00

Bosch calibration service – maximising the precision of your measuring instruments

Anyone who uses construction lasers and levellers has to be sure that they function reliably and that they meet legal requirements and standards. For this reason, we recommend an annual inspection of your instruments by the Bosch calibration service – which is fast, precise and reliable.

Our service centre with its highly qualified personnel and quick lead times is available to you via your dealer. The calibrations meet the requirements of ISO 9000 ff. (“control of inspection, measuring and test equipment”). You will receive a certificate including documentation of all measured values.

- Instrument is cleaned
- Measuring accuracy is inspected
- If necessary: instrument is adjusted
- All measured values are documented
- Calibration certificate
- Instrument is returned within five working days

We will inspect and adjust other product groups individually on a time and material basis. We will provide more detailed information about this on request.

Services for any eventuality
Our service is, of course, also there for you if your instrument has a technical defect or it has been damaged in a fall. Ask your dealer to help you process the repair.

Product group	Inspection without adjustment	Inspection with adjustment
Rotation lasers	✔	✔
Point lasers	✔	✔
Line lasers	✔	✔
Levellers	✔	✔

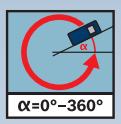
Calibration
Service

If deviations from the standard values are discovered during inspection, the instrument will be precisely adjusted.

Symbols and their meaning

Integrated viewfinder

For optimum visibility of the laser point up to a distance of 250 m.



360° incline sensor

Makes work easier and gives the GLM 80 Professional additional functions.

Shock warning function

Prevents levelling errors in the event of shocks or vibrations.

Lithium-ion technology

No self-discharge.
No memory effect.

IP protection classes

IP54 = Protection against harmful dust deposits. The intrusion of dust is not prevented completely, but the functioning of the device must not be compromised (dust-protected). Protection against water coming from all directions (splashing).

IP56 = Protection against harmful dust deposits. The intrusion of dust is not prevented completely, but the functioning of the device must not be compromised (dust-protected). Protection against heavy seas or strong water jets.

IP65 = Protection against dust intrusion (dustproof). Protection against water projected by a nozzle from any direction (water jet protection).

IP66 = Protection against dust intrusion (dustproof). Protection against heavy seas or strong water jets.

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For professionals from professionals

Bosch is your reliable partner for trade and industry. Since you are important to us, we also want to ensure that you are always kept up-to-date in future by providing you with information about our new professional blue measuring tools and special services. To enable us to do this, all you have to do is fill out this contact form and send it to the fax number stated.

Company _____

☐ Mr
☐ Ms
First name, Surname _____

Street, No. _____

Post code, City _____

Telephone _____ Fax _____

e-mail _____

MT UC 11/12 EN

☐ Yes, I would also like to receive information from Bosch by e-mail in future.

Position

☐ Owner/ Manager
☐ Responsible for purchasing power tools
☐ Other position

How many power tools are used in your company?

☐ 1 – 19
☐ 20 – 49
☐ 50 – 99
☐ ≥ 100

Which sector does your company work in?

☐ Roofer/Carpenter
☐ Joiner/Cabinet maker
☐ Furniture manufacture/Furniture industry
☐ Other woodworking
☐ Painter/Decorator
☐ Floor fitter (tiles)
☐ Floor fitter (wood)
☐ Electrical installation
☐ Plumber
☐ Heating/ventilation installation
☐ Structural engineering
☐ Underground engineering
☐ Other building trade
☐ Automobile trade/repair
☐ Automotive industry
☐ Other vehicle construction
☐ Machine construction
☐ Locksmith
☐ Steelworking/Metalworking
☐ Other _____

Yes, I would like to receive information from Bosch in future.

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www.bosch-professional.com

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